State of Utah

Department of Environmental Quality

Richard W. Sprott
Executive Director

DIVISION OF AIR QUALITY
Cheryl Heying
Director

JON M. HUNTSMAN, JR.
Governor

GARY HERBERT
Lieutenant Governor

10676

Title V Operating Permit

PERMIT NUMBER: 4300001002 -**DRAFT**
DATE OF PERMIT: Assigned in final permit
Date of Last Revision: Assigned in final permit

This Operating Permit is issued to, and applies to the following:

Name of Permittee:

Utelite Corporation
PO Box 387
Coalville, UT 84017

Permitted Location:

Shale Processing
West of Rockport Reservoir
Rockport, UT 84017

UTM coordinates: 466,000 m Easting, 4,511,500 m Northing
SIC code: 3295 (Minerals & Earths, Ground or Otherwise Treated)

UTAH AIR QUALITY BOARD

By:

_____
M. Cheryl Heying, Executive Secretary

Prepared By:

_____
Brandy Cannon

ENFORCEABLE DATES AND TIMELINES

The following dates or timeframes are referenced in Section I: General Provisions of this permit.

Annual Certification Due:	April 15 every calendar year that this permit is in force.
Renewal application due:	Assigned in final permit
Permit expiration date:	Assigned in final permit
Definition of "prompt":	written notification within 14 days.

ABSTRACT

Utelite Corporation is a producer of lightweight aggregate. It is located in Summit County, up Three Mile Canyon on the west side of the Rockport Reservoir. Utelite mines Mancus shale and uses 3 kilns to heat and dry it to make the lightweight aggregate. Utelite is a major source of SO_2 and NO_x emissions. NSPS Subpart A, OOO, and UUU apply to portions of the source.

OPERATING PERMIT HISTORY

Permit/Activity	Date Issued	Recorded Changes
Title V renewal application (Project #OPP0106760004)		Changes: CAM applies to three units, Pt-38: #1 Kiln & Baghouse, Pt-52: #3 Kiln & Baghouse, and Pt-45: #4 Kiln & Baghouse. CAM is included in the renewal permit in Conditions II.B.2.a, II.B.3.a, and II.B.4.a. Condition II.B.1.e has been modified to more closely reflect the approval order language. Typographical errors have been corrected.
Title V administrative amendment by DAQ (Project #OPP0106760002)	8/9/2004	Changes: to incorporate the changes from DAQE-AN0676015-03 that added a new baghouse and associated ductwork to Kiln #1, a new air-to-air heat exchanger and cyclone, and language allowing alternative fuels to be burned.
Title V initial application (Project #OPP0106760001)	7/11/2002	

Table of Contents

Issued under authority of Utah Code Ann. Section 19-2-104 and 19-2-109.1, and in accordance with Utah Administrative Code R307-415 Operating Permit Requirements.

All definitions, terms and abbreviations used in this permit conform to those used in Utah Administrative Code R307-101 and R307-415 (Rules), and 40 Code of Federal Regulations (CFR), except as otherwise defined in this permit. Unless noted otherwise, references cited in the permit conditions refer to the Rules.

Where a permit condition in Section I, General Provisions, partially recites or summarizes an applicable rule, the full text of the applicable portion of the rule shall govern interpretations of the requirements of the rule. In the case of a conflict between the Rules and the permit terms and conditions of Section II, Special Provisions, the permit terms and conditions of Section II shall govern except as noted in Provision I.M, Permit Shield.

SECTION I: GENERAL PROVISIONS

I.A **Federal Enforcement.**

All terms and conditions in this permit, including those provisions designed to limit the potential to emit, are enforceable by the EPA and citizens under the Clean Air Act of 1990 (CAA) except those terms and conditions that are specifically designated as "State Requirements". (R307-415-6b)

I.B **Permitted Activity(ies).**

Except as provided in R307-415-7b(1), the permittee may not operate except in compliance with this permit. (See also Provision I.E, Application Shield)

I.C **Duty to Comply.**

I.C.1 The permittee must comply with all conditions of the operating permit. Any permit noncompliance constitutes a violation of the Air Conservation Act and is grounds for any of the following: enforcement action; permit termination; revocation and reissuance; modification; or denial of a permit renewal application. (R307-415-6a(6)(a))

I.C.2 It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. (R307-415-6a(6)(b))

I.C.3 The permittee shall furnish to the Executive Secretary, within a reasonable time, any information that the Executive Secretary may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Executive Secretary copies of records required to be kept by this permit or, for information claimed to be confidential, the permittee may furnish such records directly to the EPA along with a claim of confidentiality. (R307-415-6a(6)(e))

I.C.4 This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance shall not stay any permit condition, except as provided under R307-415-7f(1) for minor permit modifications. (R307-415-6a(6)(c))

I.D **Permit Expiration and Renewal.**

I.D.1 This permit is issued for a fixed term of five years and expires on the date shown under "Enforceable Dates and Timelines" at the front of this permit. (R307-415-6a(2))

I.D.2 Application for renewal of this permit is due on or before the date shown under "Enforceable Dates and Timelines" at the front of this permit. An application may be submitted early for any reason. (R307-415-5a(1)(c))

I.D.3 An application for renewal submitted after the due date listed in I.D.2 above shall be accepted for processing, but shall not be considered a timely application and shall not relieve the permittee of any enforcement actions resulting from submitting a late application. (R307-415-5a(5))

I.D.4 Permit expiration terminates the permittee's right to operate unless a timely and complete renewal application is submitted consistent with R307-415-7b (see also Provision I.E, Application Shield) and R307-415-5a(1)(c) (see also Provision I.D.2). (R307-415-7c(2))

I.E **Application Shield.**

If the permittee submits a timely and complete application for renewal, the permittee's failure to have an operating permit will not be a violation of R307-415, until the Executive Secretary takes final action on the permit renewal application. In such case, the terms and conditions of this permit shall remain in force until permit renewal or denial. This protection shall cease to apply if, subsequent to the completeness determination required pursuant to R307-415-7a(3), and as required by R307-415-5a(2), the applicant fails to submit by the deadline specified in writing by the Executive Secretary any additional information identified as being needed to process the application. (R307-415-7b(2))

I.F **Severability.**

In the event of a challenge to any portion of this permit, or if any portion of this permit is held invalid, the remaining permit conditions remain valid and in force. (R307-415-6a(5))

I.G **Permit Fee.**

I.G.1 The permittee shall pay an annual emission fee to the Executive Secretary consistent with R307-415-9. (R307-415-6a(7))

I.G.2 The emission fee shall be due on October 1 of each calendar year or 45 days after the source receives notice of the amount of the fee, whichever is later. (R307-415-9(4)(a))

I.H **No Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privilege. (R307-415-6a(6)(d))

I.I **Revision Exception.**

No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this permit. (R307-415-6a(8))

I.J **Inspection and Entry.**

I.J.1 Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Executive Secretary or an authorized representative to perform any of the following:

I.J.1.a Enter upon the permittee's premises where the source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit. (R307-415-6c(2)(a))

I.J.1.b Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit. (R307-415-6c(2)(b))

I.J.1.c Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practice, or operation regulated or required under this permit. (R307-415-6c(2)(c))

I.J.1.d Sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with this permit or applicable requirements. (R307-415-6c(2)(d))

I.J.2 Any claims of confidentiality made on the information obtained during an inspection shall be made pursuant to Utah Code Ann. Section 19-1-306. (R307-415-6c(2)(e))

I.K **Certification.**

Any application form, report, or compliance certification submitted pursuant to this permit shall contain certification as to its truth, accuracy, and completeness, by a responsible official as defined in R307-415-3. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. (R307-415-5d)

I.L **Compliance Certification.**

I.L.1 Permittee shall submit to the Executive Secretary an annual compliance certification, certifying compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. This certification shall be submitted no later than the date shown under "Enforceable Dates and Timelines" at the front of this permit, and that date each year following until this permit expires. The certification shall include all the following (permittee may cross-reference this permit or previous reports): (R307-415-6c(5))

I.L.1.a The identification of each term or condition of this permit that is the basis of the certification;

I.L.1.b The identification of the methods or other means used by the permittee for determining the compliance status with each term and condition during the certification period, and whether such methods or other means provide continuous or intermittent data. Such methods and other means shall include, at a minimum, the monitoring and related recordkeeping and reporting requirements in this permit. If necessary, the permittee also shall identify any other material information that must be included in the certification to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information;

I.L.1.c The status of compliance with the terms and conditions of the permit for the period covered by the certification, based on the method or means designated in Provision I.L.1.b. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred; and

I.L.1.d Such other facts as the Executive Secretary may require to determine the compliance status.

I.L.2 The permittee shall also submit all compliance certifications to the EPA, Region VIII, at the following address or to such other address as may be required by the Executive Secretary: (R307-415-6c(5)(d))

Environmental Protection Agency, Region VIII
Office of Enforcement, Compliance and Environmental Justice
(mail code 8ENF)
1595 Wynkoop Street
Denver, CO 80202-1129

I.M **Permit Shield.**

I.M.1 Compliance with the provisions of this permit shall be deemed compliance with any applicable requirements as of the date of this permit, provided that:

I.M.1.a Such applicable requirements are included and are specifically identified in this permit, or (R307-415-6f(1)(a))

I.M.1.b Those requirements not applicable to the source are specifically identified and listed in this permit. (R307-415-6f(1)(b))

I.M.2 Nothing in this permit shall alter or affect any of the following:

I.M.2.a The emergency provisions of Utah Code Ann. Section 19-1-202 and Section 19-2-112, and the provisions of the CAA Section 303. (R307-415-6f(3)(a))

I.M.2.b The liability of the owner or operator of the source for any violation of applicable requirements under Utah Code Ann. Section 19-2-107(2)(g) and Section 19-2-110 prior to or at the time of issuance of this permit. (R307-415-6f(3)(b)

I.M.2.c The applicable requirements of the Acid Rain Program, consistent with the CAA Section 408(a). (R307-415-6f(3)(c))

I.M.2.d The ability of the Executive Secretary to obtain information from the source under Utah Code Ann. Section 19-2-120, and the ability of the EPA to obtain information from the source under the CAA Section 114. (R307-415-6f(3)(d))

I.N **Emergency Provision.**

I.N.1 An "emergency" is any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under this permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to

the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error. (R307-415-6g(1))

I.N.2 An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology-based emission limitations if the affirmative defense is demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

I.N.2.a An emergency occurred and the permittee can identify the causes of the emergency. (R307-415-6g(3)(a))

I.N.2.b The permitted facility was at the time being properly operated. (R307-415-6g(3)(b))

I.N.2.c During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in this permit. (R307-415-6g(3)(c))

I.N.2.d The permittee submitted notice of the emergency to the Executive Secretary within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. This notice fulfills the requirement of Provision I.S.2.c below. (R307-415-6g(3)(d))

I.N.3 In any enforcement proceeding, the permittee seeking to establish the occurrence of an emergency has the burden of proof. (R307-415-6g(4))

I.N.4 This emergency provision is in addition to any emergency or upset provision contained in any other section of this permit. (R307-415-6g(5))

I.O **Operational Flexibility.**

Operational flexibility is governed by R307-415-7d(1).

I.P **Off-permit Changes.**

Off-permit changes are governed by R307-415-7d(2).

I.Q **Administrative Permit Amendments.**

Administrative permit amendments are governed by R307-415-7e.

I.R **Permit Modifications.**

Permit modifications are governed by R307-415-7f.

I.S **Records and Reporting.**

I.S.1 Records.

I.S.1.a The records of all required monitoring data and support information shall be retained by the permittee for a period of at least five years from the date of the monitoring sample, measurement, report, or application. Support information includes all calibration and maintenance records, all original strip-charts or appropriate recordings for continuous monitoring instrumentation, and copies of all

reports required by this permit. (R307-415-6a(3)(b)(ii))

I.S.1.b For all monitoring requirements described in Section II, Special Provisions, the source shall record the following information, where applicable: (R307-415-6a(3)(b)(i))

I.S.1.b.1 The date, place as defined in this permit, and time of sampling or measurement.

I.S.1.b.2 The date analyses were performed.

I.S.1.b.3 The company or entity that performed the analyses.

I.S.1.b.4 The analytical techniques or methods used.

I.S.1.b.5 The results of such analyses.

I.S.1.b.6 The operating conditions as existing at the time of sampling or measurement.

I.S.1.c Additional record keeping requirements, if any, are described in Section II, Special Provisions.

I.S.2 Reports.

I.S.2.a Monitoring reports shall be submitted to the Executive Secretary every six months, or more frequently if specified in Section II. All instances of deviation from permit requirements shall be clearly identified in the reports. (R307-415-6a(3)(c)(i))

I.S.2.b All reports submitted pursuant to Provision I.S.2.a shall be certified by a responsible official in accordance with Provision I.K of this permit. (R307-415-6a(3)(c)(i)

I.S.2.c The Executive Secretary shall be notified promptly of any deviations from permit requirements including those attributable to upset conditions as defined in this permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. Prompt, as used in this condition, shall be defined as written notification within the number of days shown under "Enforceable Dates and Timelines" at the front of this permit. Deviations from permit requirements due to unavoidable breakdowns shall be reported in accordance with the provisions of R307-107. (R307-415-6a(3)(c)(ii))

I.S.3 Notification Addresses.

I.S.3.a All reports, notifications, or other submissions required by this permit to be submitted to the Executive Secretary are to be sent to the following address or to such other address as may be required by the Executive Secretary:

Utah Division of Air Quality
P.O. Box 144820
Salt Lake City, UT 84114-4820
Phone: 801-536-4000

I.S.3.b All reports, notifications or other submissions required by this permit to be submitted to the EPA should be sent to one of the following addresses or to such other address as may be required by the Executive Secretary:

For annual compliance certifications:

Environmental Protection Agency, Region VIII
Office of Enforcement, Compliance and Environmental Justice
(mail code 8ENF)
1595 Wynkoop Street
Denver, CO 80202-1129

For reports, notifications, or other correspondence related to permit modifications, applications, etc.:

Environmental Protection Agency, Region VIII
Office of Partnerships & Regulatory Assistance Air & Radiation Program
(mail code 8P-AR)
1595 Wynkoop Street
Denver, CO 80202-1129
Phone: 303-312-6440

I.T **Reopening for Cause.**

I.T.1 A permit shall be reopened and revised under any of the following circumstances:

I.T.1.a New applicable requirements become applicable to the permittee and there is a remaining permit term of three or more years. No such reopening is required if the effective date of the requirement is later than the date on which this permit is due to expire, unless the terms and conditions of this permit have been extended pursuant to R307-415-7c(3), application shield. (R307-415-7g(1)(a))

I.T.1.b The Executive Secretary or EPA determines that this permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit. (R307-415-7g(1)(c))

I.T.1.c EPA or the Executive Secretary determines that this permit must be revised or revoked to assure compliance with applicable requirements. (R307-415-7g(1)(d))

I.T.1.d Additional applicable requirements are to become effective before the renewal date of this permit and are in conflict with existing permit conditions. (R307-415-7g(1)(e))

I.T.2 Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the Acid Rain Program. Upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into this permit. (R307-415-7g(1)(b))

I.T.3 Proceedings to reopen and issue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. (R307-415-7g(2))

I.U **Inventory Requirements.**

An emission inventory shall be submitted in accordance with the procedures of R307-150, Emission Inventories. (R307-150)

I.V **Title IV and Other, More Stringent Requirements**

Where an applicable requirement is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, Acid Deposition Control, both provisions shall be incorporated into this permit. (R307-415-6a(1)(b))

SECTION II: SPECIAL PROVISIONS

II.A **Emission Unit(s) Permitted to Discharge Air Contaminants.**
(R307-415-4(3)(a) and R307-415-4(4))

II.A.1 **Permitted Source**
Source-wide

II.A.2 **Pt-38: #1 Kiln & Baghouse**
Kiln rated at 14.4 tons per hour raw feed, with a baghouse, separation cyclone, air-to-air heat exchanger.

II.A.3 **Pt-52: #3 Kiln & Baghouse**
Kiln rated at 14.4 tons per hour raw feed, with a baghouse, separation cyclone, air-to-air heat exchanger.

II.A.4 **Pt-45: #4 Kiln & Baghouse**
Kiln rated at 14.4 tons per hour raw feed, installed in 1996. Subpart UUU applies. Includes baghouse and air-to-air heat exchanger.

II.A.5 **Pt-35: #1 Cooler**
Cooler for #1 Kiln. No unit-specific applicable requirements.

II.A.6 **Pt-49: #3 Cooler**
Cooler for #3 Kiln. No unit-specific applicable requirements.

II.A.7 **Pt-42: #4 Cooler**
Cooler for #4 Kiln. No unit-specific applicable requirements.

II.A.8 **Pt-57: Dust Tank & Baghouse**
Dust tank with a baghouse to control emissions.

II.A.9 **8: Coalmill & Baghouse**
Coal mill with a baghouse.

II.A.10 **10: Crushers**
Various crushers including: Stamler crusher (feeder-breaker), crushed fines roll crusher, mouse roll crusher, hammermill.

II.A.11 **11: Screens**
Various screens including PEP screen, finish screens, raw screen, extruder screen, scalping screen, and Seco screen.

II.A.12 **12: Conveyor Drop Points**
Various drop points from conveyor.

II.A.13 **13: Conveyor Transfer Points**
Various transfer points on conveyors.

II.A.14 **15: Mobile Equipment Operational Areas**
Haul roads and yard areas.

II.A.15 **16: Storage Piles**

Piles of material in various degrees of processing.

II.B **Requirements and Limitations**

The following emission limitations, standards, and operational limitations apply to the permitted facility as indicated:

II.B.1 **Conditions on permitted source (Source-wide)**

II.B.1.a **Condition:**

Visible emissions shall be no greater than 20 percent opacity. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.a.1 **Monitoring:**

A visual opacity survey of each affected emission unit shall be performed on a monthly basis by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. If visible emissions other than condensed water vapor are observed from an emission unit, an opacity determination of that emission unit shall be performed by a certified observer within 24 hours of the initial survey. The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9 for point sources, and in accordance 58 FR 61640 Method 203A for fugitive sources.

II.B.1.a.2 **Recordkeeping:**

The permittee shall record the date of each visual survey. The permittee shall also keep a log of the following information for each observed visual emission: date and time visual emissions observed, emission point location and description, time and date of opacity determination, and percent opacity. The records required by this provision and all data required by 40 CFR 60, Appendix A, Method 9 or by 58 FR 61640 Method 203A shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.b **Condition:**

The total raw feed to the three kilns shall not exceed 350,000 tons per rolling 12-month period. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.b.1 **Monitoring:**

The daily raw feed shall be recorded and the total raw feed shall be calculated for each calendar month. Within the first 20 days of each month, a new 12-month total shall be calculated using data from the previous 12 months.

II.B.1.b.2 **Recordkeeping:**

Records of production shall be kept on a daily basis in accordance with Provision I.S.1 of this permit, for all periods of operation.

II.B.1.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.c **Condition:**

The total operating hours for the three kilns shall not exceed 24,561 hours per rolling 12-month period. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.c.1 **Monitoring:**

No later than the 20th of each month, calculate a 12 month rolling total as of the last day of the previous month and using data from the previous 12 months. All hours of operation shall be recorded at least once each day of operation.

II.B.1.c.2 **Recordkeeping:**

A log recording all hours of operation shall be maintained. The log shall include the results of required monitoring.

II.B.1.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.d **Condition:**

The total raw feed to the three kilns shall not exceed 43.2 tons per hour. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.d.1 **Monitoring:**

The raw feed rate shall be determined using an operations log. The raw feed shall be monitored on an hourly basis.

II.B.1.d.2 **Recordkeeping:**

Records of production shall be kept on a hourly basis, and a log shall be maintained of all operating hours, in accordance with Provision I.S.1 of this permit, for all periods of operation.

II.B.1.d.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.e **Condition:**

The permittee shall use only the following as fuel:

A. Natural gas
B. Coal
C. #2 Fuel oil
D. Used oil fuel
E. Oil saturated filter media
F. Coal Additives consisting of alternative fuels approved by the Executive Secretary. Prior to burning any proposed coal additive, the permittee shall obtain approval from the Executive Secretary. To obtain approval, the permittee shall submit a test analysis of the proposed coal additive providing information similar to the ASTM coal proximate analyses, the ultimate analyses, the benzene analyses and the Poly Aromatic Hydrocarbons (PAH) analyses.

The average quantity of alternative fuels blended with coal for burning shall not be greater than 10% of the total coal burned during a calendar day. The permittee may increase the average quantity of alternative fuels up to 25% upon approval by the Executive Secretary. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.e.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.e.2 **Recordkeeping:**

Records of material used as fuel shall be maintained. Records of Executive Secretary approval of each coal additive shall be maintained. All records shall be maintained in accordance with provision I.S.1 of this permit.

II.B.1.e.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.f **Condition:**

Sulfur content of any coal or any mixture of coals shall be no greater than 0.75 pounds sulfur per MM gross Btu heat input. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.f.1 **Monitoring:**

Sulfur content of coal shall be determined by ASTM Method D-2492-90 or approved equivalent.

II.B.1.f.2 **Recordkeeping:**

Compliance with the above limitation shall be demonstrated by maintaining fuel receipt records showing sulfur content of the delivered fuel, gross heating value, and density or maintaining records of all sulfur content testing performed on the delivered fuel.

II.B.1.f.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.g **Condition:**

The concentration of contaminants or parameters in any used oil fuel burned shall not exceed the following levels:
Arsenic 5 ppm by weight,
Cadmium 2 ppm by weight,
Chromium 10 ppm by weight,
Lead 100 ppm by weight,
Total Halogens 1,000 ppm by weight,
Sulfur 0.5 percent by weight, and
Flash Point not less than 100 degrees F.
Used oil exceeding any of the above contaminants shall not be burned. Any used oil fuel that contains more than 1,000 ppm by weight of total halogens shall be considered a hazardous waste and shall not be burned in the kiln. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.g.1 **Monitoring:**

The permittee shall maintain test certification data for each load of used oil fuel received. Certification shall be either by permittee testing or test reports provided by the used oil fuel vendor. The used oil fuel shall be tested for halogen content by ASTM Method D-808-81, EPA Method 8240 or Method 8260 before used oil fuel is transferred to a holding tank or burned.

II.B.1.g.2 **Recordkeeping:**

Daily records of the quantity of used oil fuel combusted and the test reports shall be kept for all periods when the plant is in operation.

II.B.1.g.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.h **Condition:**

At all times, including periods of startup, shutdown, and malfunction, the permittee shall, to the extent practicable, maintain and operate any permitted plant equipment, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. [Origin: DAQE-AN0676015-03, 40 CFR 60 (Subpart A)] Authority: 40 CFR 60 (Subpart A), R307-401-8(2)

II.B.1.h.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.1.h.2 **Recordkeeping:**

Permittee shall document activities performed to assure proper operation and maintenance. Records shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.1.h.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.i **Condition:**

The permittee shall limit the vehicle speeds as follows:
15 mph on the haul road
10 mph in the yard area
[Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.i.1 **Monitoring:**

Speed limit signs shall be posted at the entrance to the active haul road area. Speed of vehicles shall be monitored by shift supervisors whenever a violation is suspected and shall be corrected immediately. At least once each quarter all speed limit signs shall be inspected to assure they are still present.

II.B.1.i.2 **Recordkeeping:**

Results of vehicle speed observations and quarterly sign inspections shall be recorded in a log and maintained as described in Provision S.1 in Section I of this permit.

II.B.1.i.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.1.j **Condition:**

Sulfur content of any fuel oil or diesel burned shall be no greater than 0.50 percent by weight. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.1.j.1 **Monitoring:**

Compliance with this limitation shall be determined either by testing each fuel delivery for the sulfur content or by inspection of the fuel sulfur-content specifications provided by the vendor in purchase records. Sulfur content in either instance shall be determined in accordance with ASTM-D4294, or equivalent. Equivalency shall be requested in writing to the Executive Secretary.

II.B.1.j.2 **Recordkeeping:**

Compliance with the above limitation shall be demonstrated by maintaining fuel receipt records showing sulfur content of the delivered fuel or maintaining records of all sulfur content testing performed on the delivered fuel.

II.B.1.j.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.2 **Conditions on Pt-38: #1 Kiln & Baghouse**

II.B.2.a **Condition:**

Emissions of PM_{10} shall be no greater than 3.34 lb/hr and 0.024 grains/dscf. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.2.a.1 **Monitoring:**

(A) Stack testing shall be performed as specified below:
  (i) Frequency. Emissions shall be tested every five years based on the date of the last stack test. The source may also be tested at any time if directed by the Executive Secretary.
  (ii) Notification. At least 30 days before the test, the source shall notify the Executive Secretary of the date, time, and place of testing and provide a copy of the test protocol. The source shall attend a pretest conference if determined necessary by the Executive Secretary.
  (iii) Methods.
    (a) Sample Location - the emission point shall conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health Administration (OSHA) approved access shall be provided to the test location.
    (b) For stacks in which no liquid drops are present, the following methods shall be used: 40 CFR 51, Appendix M, Methods 201 or 201a. Method 202 may be used to measure condensible particulate matter.
    (c) For stacks in which liquid drops are present, methods to eliminate the liquid drops should be explored. If no reasonable method to eliminate the drops exists, then the following methods shall be used: 40 CFR 60, Appendix A, Method 5, 5a, 5d, or 5e as appropriate. The back half condensibles shall also be tested using a method specified by the Executive Secretary. All particulate captured shall be considered PM_{10}.
    (d) The back half condensibles shall not be used for compliance demonstration but shall be used for inventory purposes.
  (iv) Calculations. To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary to give the results in the specified units of the emission limitation.
  (v) Production Rate During Testing. The production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three (3) years.

(B) The permittee shall use three indicators as specified below to provide reasonable assurance of compliance with the PM_{10} emission limitation.
  (i) Measurement Approach:
    (a) Indicator No. 1: Visible emissions from the baghouse exhaust shall be monitored using EPA Reference Method 22-like procedures.
    (b) Indicator No. 2: Pressure drop across each baghouse shall be measured using a differential pressure gauge.
    (c) Indicator No. 3: Baghouse inlet temperature shall be measured using a temperature sensor.
  (ii) Indicator Range:
  Excursions are defined for each of the three indicators as follows. Each excursion triggers an inspection, corrective action, and a reporting requirement.
    (a) Indicator No. 1: An excursion is defined as the presence of visible emissions.
    (b) Indicator No. 2: An excursion is defined as an average pressure drop outside the range of 4 to 5 inches of water column for a 24-hour period.

(c) Indicator No. 3: An excursion is defined as an average inlet temperature outside the range of 300 to 500 degrees F for a 24-hour period.

Once every five years, during the stack test required in (A) above, the permittee shall acquire new test data to evaluate or update the excursion values for the three indicators. Any resultant changes to the monitoring shall be addressed in accordance with 40 CFR 64.7(e).

(iii) Performance Criteria:

(a) Data Representativeness:

1) Indicator No. 1: Visible emissions shall be monitored at the baghouse exhaust while the baghouse is operating.
2) Indicator No. 2: The differential pressure gauge shall measure pressure drop with pressure taps located at the inlet and outlet of each baghouse. The minimum accuracy of the device shall be +/- 1.0 inch of water.
3) Indicator No. 3: The temperature sensor shall be located at the baghouse inlet. The reading shall be accurate to within +/- 5 degrees F.

(b) QA/QC Practices and Criteria:

1) Indicator No. 1: The visible emissions observer shall be familiar with EPA Reference Method 22 and shall follow Method 22-like procedures.
2) Indicator No. 2: The pressure gauge shall be calibrated according to manufacturer's recommendations or at least annually. Pressure taps shall be checked for plugging according to manufacturer's recommendations or at least weekly.
3) Indicator No. 3: The temperature sensor shall be calibrated according to manufacturer's recommendations or at least annually.

(c) Monitoring Frequency:

1) Indicator No. 1: The visible emissions observer shall perform a 6-minute Method 22-like observation once each day.
2) Indicator No. 2: Pressure drop shall be measured continuously.
3) Indicator No. 3: Baghouse inlet temperature shall be measured continuously.

(d) Data Collection Procedure:

1) Indicator No. 1: The permittee shall keep daily records of the results of each visible emission observation.
2) Indicator No. 2: Average pressure drop over a 24-hour block shall be computed and recorded daily for comparison to the indicator range.
3) Indicator No. 3: Average inlet temperature over a 24-hour block shall be computed and recorded daily for comparison to the indicator range.

(e) Averaging Period:

1) Indicator No. 1: N/A
2) Indicator No. 2: 24-hour block
3) Indicator No. 3: 24-hour block

II.B.2.a.2 **Recordkeeping:**

Results of all stack testing shall be recorded and maintained in accordance with the associated test method and Provision S.1 in Section I of this permit.

In addition to the recordkeeping requirement described in Provision I.S.1 of this permit, the permittee shall maintain a file of the occurrence and duration of any excursion, corrective actions taken, and any other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Instead of paper records, the permittee may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the

use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements. (40 CFR 64.9(b))

II.B.2.a.3 **Reporting:**

In addition to the reporting requirements in Provision I.S.2 of this permit,

(a) Monitoring reports shall include, at a minimum, the following information, as applicable:
  (i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken; (40 CFR 64.9(a)(2)(i))
  (ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). (40 CFR 64.9(a)(2)(ii))

(b) The permittee shall submit the results of the stack tests to the Executive Secretary within 60 days of completion of the testing. Results shall clearly identify test results as compared to permit limits and indicate compliance status. Reports shall include any test data and calculations used to evaluate or revise the indicator range and excursion level.

II.B.2.b **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [Origin: DAQE-AN0676015-03]
Authority: R307-401-8(1)(a) [BACT]

II.B.2.b.1 **Monitoring:**

A visual observation of each affected emission unit shall be performed once each month that the unit operates, by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. The individual is not required to be a certified visible emissions observer (VEO). If any visible emissions are observed, an opacity determination of that emission unit shall be performed by a certified VEO in accordance with 40 CFR 60, Appendix A, Method 9 within 24 hours of the initial observation.

II.B.2.b.2 **Recordkeeping:**

Results from opacity observations and all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded and maintained in accordance with Provision I.S.1 of this permit.

II.B.2.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.2.c **Condition:**

The temperature in the baghouse shall be no less than 225 degrees F. [Origin: DAQE-AN0676015-03]
Authority: R307-401-8(1)(a) [BACT]

II.B.2.c.1 **Monitoring:**

The temperature shall be monitored at all times. The monitoring equipment shall be located such that an inspector can at any time safely read the output. The reading shall be accurate to within ± 5 degrees F. All instances when the temperature in the baghouse drops below 225 degrees F shall be recorded.

II.B.2.c.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.2.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.2.d **Condition:**

Differential pressure across the fabric filter of the baghouse shall be maintained between 3 inches and 6 inches water column. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.2.d.1 **Monitoring:**

Baghouse pressure drop shall be monitored weekly with a manometer or magnahelic pressure gauge when the baghouse is operating. If the pressure differential is outside the range, then the cause shall be investigated and corrective measures taken within two hours of discovering the exceedance, to restore the pressure differential to within the range. If the pressure drop is not returned to the range within two hours a deviation has occurred. The pressure gage shall be located such that an inspector /operator can safely read the indicator at any time. The reading shall be accurate to within plus or minus 1.0 inches of water. The instrument shall be calibrated against a primary standard annually.

II.B.2.d.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.2.d.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.3 **Conditions on Pt-52: #3 Kiln & Baghouse**

II.B.3.a **Condition:**

Emissions of PM_{10} shall be no greater than 3.34 lb/hr and 0.024 grains/dscf. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.3.a.1 **Monitoring:**

(A) Stack testing shall be performed as specified below:
  (i) Frequency. Emissions shall be tested every five years based on the date of the last stack test. The source may also be tested at any time if directed by the Executive Secretary.
  (ii) Notification. At least 30 days before the test, the source shall notify the Executive Secretary of the date, time, and place of testing and provide a copy of the test protocol. The source shall attend a pretest conference if determined necessary by the Executive Secretary.
  (iii) Methods.
    (a) Sample Location - the emission point shall conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health

Administration (OSHA) approved access shall be provided to the test location.

(b) For stacks in which no liquid drops are present, the following methods shall be used: 40 CFR 51, Appendix M, Methods 201 or 201a. Method 202 may be used to measure condensible particulate matter.

(c) For stacks in which liquid drops are present, methods to eliminate the liquid drops should be explored. If no reasonable method to eliminate the drops exists, then the following methods shall be used: 40 CFR 60, Appendix A, Method 5, 5a, 5d, or 5e as appropriate. The back half condensibles shall also be tested using a method specified by the Executive Secretary. All particulate captured shall be considered PM_{10}.

(d) The back half condensibles shall not be used for compliance demonstration but shall be used for inventory purposes.

(iv) Calculations. To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary to give the results in the specified units of the emission limitation.

(v) Production Rate During Testing. The production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three (3) years.

(B) The permittee shall use three indicators as specified below to provide reasonable assurance of compliance with the PM_{10} emission limitation.

(i) Measurement Approach:

(a) Indicator No. 1: Visible emissions from the baghouse exhaust shall be monitored using EPA Reference Method 22-like procedures.

(b) Indicator No. 2: Pressure drop across each baghouse shall be measured using a differential pressure gauge.

(c) Indicator No. 3: Baghouse inlet temperature shall be measured using a temperature sensor.

(ii) Indicator Range:

Excursions are defined for each of the three indicators as follows. Each excursion triggers an inspection, corrective action, and a reporting requirement.

(a) Indicator No. 1: An excursion is defined as the presence of visible emissions.

(b) Indicator No. 2: An excursion is defined as an average pressure drop outside the range of 4 to 5 inches of water column for a 24-hour period.

(c) Indicator No. 3: An excursion is defined as an average inlet temperature outside the range of 300 to 500 degrees F for a 24-hour period.

Once every five years, during the stack test required in (A) above, the permittee shall acquire new test data to evaluate or update the excursion values for the three indicators. Any resultant changes to the monitoring shall be addressed in accordance with 40 CFR 64.7(e).

(iii) Performance Criteria:

(a) Data Representativeness:

1) Indicator No. 1: Visible emissions shall be monitored at the baghouse exhaust while the baghouse is operating.

2) Indicator No. 2: The differential pressure gauge shall measure pressure drop with pressure taps located at the inlet and outlet of each baghouse. The minimum accuracy of the device shall be +/- 1.0 inch of water.

3) Indicator No. 3: The temperature sensor shall be located at the baghouse inlet. The reading shall be accurate to within +/- 5 degrees F.

(b) QA/QC Practices and Criteria:

1) Indicator No. 1: The visible emissions observer shall be familiar with EPA Reference Method 22 and shall follow Method 22-like procedures.

2) Indicator No. 2: The pressure gauge shall be calibrated according to

manufacturer's recommendations or at least annually. Pressure taps shall be checked for plugging according to manufacturer's recommendations or at least weekly.

3) Indicator No. 3: The temperature sensor shall be calibrated according to manufacturer's recommendations or at least annually.

(c) Monitoring Frequency:

1) Indicator No. 1: The visible emissions observer shall perform a 6-minute Method 22-like observation once each day.
2) Indicator No. 2: Pressure drop shall be measured continuously.
3) Indicator No. 3: Baghouse inlet temperature shall be measured continuously.

(d) Data Collection Procedure:

1) Indicator No. 1: The permittee shall keep daily records of the results of each visible emission observation.
2) Indicator No. 2: Average pressure drop over a 24-hour block shall be computed and recorded daily for comparison to the indicator range.
3) Indicator No. 3: Average inlet temperature over a 24-hour block shall be computed and recorded daily for comparison to the indicator range.

(e) Averaging Period:

1) Indicator No. 1: N/A
2) Indicator No. 2: 24-hour block
3) Indicator No. 3: 24-hour block

II.B.3.a.2 **Recordkeeping:**

Results of all stack testing shall be recorded and maintained in accordance with the associated test method and Provision S.1 in Section I of this permit.

In addition to the recordkeeping requirement described in Provision I.S.1 of this permit, the permittee shall maintain a file of the occurrence and duration of any excursion, corrective actions taken, and any other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Instead of paper records, the permittee may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements. (40 CFR 64.9(b))

II.B.3.a.3 **Reporting:**

In addition to the reporting requirements in Provision I.S.2 of this permit,

(a) Monitoring reports shall include, at a minimum, the following information, as applicable:
   (i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken; (40 CFR 64.9(a)(2)(i))
   (ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). (40 CFR 64.9(a)(2)(ii))

(b) The permittee shall submit the results of the stack tests to the Executive Secretary within 60 days of completion of the testing. Results shall clearly identify test results as compared to permit limits and indicate compliance status. Reports shall include any test data and calculations used to evaluate or revise the indicator range and excursion level.

II.B.3.b **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.3.b.1 **Monitoring:**

A visual observation of each affected emission unit shall be performed once each month that the unit operates, by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. The individual is not required to be a certified visible emissions observer (VEO). If any visible emissions are observed, an opacity determination of that emission unit shall be performed by a certified VEO in accordance with 40 CFR 60, Appendix A, Method 9 within 24 hours of the initial observation.

II.B.3.b.2 **Recordkeeping:**

Results from opacity observations and all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded and maintained in accordance with Provision I.S.1 of this permit.

II.B.3.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.3.c **Condition:**

The temperature in the baghouse shall be no less than 225 degrees F. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.3.c.1 **Monitoring:**

The temperature shall be monitored at all times. The monitoring equipment shall be located such that an inspector can at any time safely read the output. The reading shall be accurate to within + or - 5 degrees F. All instances when the temperature in the baghouse drops below 225 degrees F shall be recorded.

II.B.3.c.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.3.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.3.d **Condition:**

Differential pressure across the fabric filter of the baghouse shall be maintained between 3 inches and 6 inches water column. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.3.d.1 **Monitoring:**

Baghouse pressure drop shall be monitored weekly with a manometer or magnahelic pressure gauge when the baghouse is operating. If the pressure differential is outside the range, then the cause shall be investigated and corrective measures taken within two hours of discovering the exceedance, to restore the pressure differential to within the range. If the pressure drop is not returned to the range within two hours a deviation has occurred. The pressure gage shall be located such that an inspector /operator can safely read the indicator at any time. The reading shall be accurate to within plus or minus 1.0 inches of water. The instrument shall be calibrated against a primary standard annually.

II.B.3.d.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.3.d.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.4 **Conditions on Pt-45: #4 Kiln & Baghouse**

II.B.4.a **Condition:**

Emissions of PM_{10} shall be no greater than 3.34 lb/hr and 0.024 grains/dscf. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT] & 40 CFR 60 (Subpart UUU)

II.B.4.a.1 **Monitoring:**

(A) Stack testing shall be performed as specified below:
  (i) Frequency. Emissions shall be tested every five years based on the date of the last stack test. The source may also be tested at any time if directed by the Executive Secretary.
  (ii) Notification. At least 30 days before the test, the source shall notify the Executive Secretary of the date, time, and place of testing and provide a copy of the test protocol. The source shall attend a pretest conference if determined necessary by the Executive Secretary.
  (iii) Methods.
    (a) Sample Location - the emission point shall conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health Administration (OSHA) approved access shall be provided to the test location.
    (b) For stacks in which no liquid drops are present, the following methods shall be used: 40 CFR 51, Appendix M, Methods 201 or 201a. Method 202 may be used to measure condensible particulate matter. All particulate captured shall be considered PM_{10}.
    (c) For stacks in which liquid drops are present, methods to eliminate the liquid drops should be explored. If no reasonable method to eliminate the drops exists, then the following methods shall be used: 40 CFR 60, Appendix A, Method 5, 5a, 5d, or 5e as appropriate. The back half condensibles shall also be tested using a method specified by the Executive Secretary.
    (d) The back half condensibles shall not be used for compliance demonstration but shall be used for inventory purposes.
  (iv) Calculations. To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary

to give the results in the specified units of the emission limitation.

(v) Production Rate During Testing. The production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three (3) years.

(B) The permittee shall use three indicators as specified below to provide reasonable assurance of compliance with the PM_{10} emission limitation.

(i) Measurement Approach:

(a) Indicator No. 1: Visible emissions from the baghouse exhaust shall be monitored using EPA Reference Method 22-like procedures.

(b) Indicator No. 2: Pressure drop across each baghouse shall be measured using a differential pressure gauge.

(c) Indicator No. 3: Baghouse inlet temperature shall be measured using a temperature sensor.

(ii) Indicator Range:

Excursions are defined for each of the three indicators as follows. Each excursion triggers an inspection, corrective action, and a reporting requirement.

(a) Indicator No. 1: An excursion is defined as the presence of visible emissions.

(b) Indicator No. 2: An excursion is defined as an average pressure drop outside the range of 4 to 5 inches of water column for a 24-hour period.

(c) Indicator No. 3: An excursion is defined as an average inlet temperature outside the range of 300 to 500 degrees F for a 24-hour period.

Once every five years, during the stack test required in (A) above, the permittee shall acquire new test data to evaluate or update the excursion values for the three indicators. Any resultant changes to the monitoring shall be addressed in accordance with 40 CFR 64.7(e).

(iii) Performance Criteria:

(a) Data Representativeness:

1) Indicator No. 1: Visible emissions shall be monitored at the baghouse exhaust while the baghouse is operating.

2) Indicator No. 2: The differential pressure gauge shall measure pressure drop with pressure taps located at the inlet and outlet of each baghouse. The minimum accuracy of the device shall be +/- 1.0 inch of water.

3) Indicator No. 3: The temperature sensor shall be located at the baghouse inlet. The reading shall be accurate to within +/- 5 degrees F.

(b) QA/QC Practices and Criteria:

1) Indicator No. 1: The visible emissions observer shall be familiar with EPA Reference Method 22 and shall follow Method 22-like procedures.

2) Indicator No. 2: The pressure gauge shall be calibrated according to manufacturer's recommendations or at least annually. Pressure taps shall be checked for plugging according to manufacturer's recommendations or at least weekly.

3) Indicator No. 3: The temperature sensor shall be calibrated according to manufacturer's recommendations or at least annually.

(c) Monitoring Frequency:

1) Indicator No. 1: The visible emissions observer shall perform a 6-minute Method 22-like observation once each day.

2) Indicator No. 2: Pressure drop shall be measured continuously.

3) Indicator No. 3: Baghouse inlet temperature shall be measured continuously.

(d) Data Collection Procedure:

1) Indicator No. 1: The permittee shall keep daily records of the results of each visible emission observation.

2) Indicator No. 2: Average pressure drop over a 24-hour block shall be computed and recorded daily for comparison to the indicator range.

3) Indicator No. 3: Average inlet temperature over a 24-hour block shall be computed and recorded daily for comparison to the indicator range.

(e) Averaging Period:
1) Indicator No. 1: N/A
2) Indicator No. 2: 24-hour block
3) Indicator No. 3: 24-hour block

II.B.4.a.2 **Recordkeeping:**

Results of all stack testing shall be recorded and maintained in accordance with the associated test method and Provision S.1 in Section I of this permit.

In addition to the recordkeeping requirement described in Provision I.S.1 of this permit, the permittee shall maintain a file of the occurrence and duration of any excursion, corrective actions taken, and any other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Instead of paper records, the permittee may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements. (40 CFR 64.9(b))

II.B.4.a.3 **Reporting:**

In addition to the reporting requirements in Provision I.S.2 of this permit,

(a) Monitoring reports shall include, at a minimum, the following information, as applicable:
(i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken; (40 CFR 64.9(a)(2)(i))
(ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable). (40 CFR 64.9(a)(2)(ii))

(b) The permittee shall submit the results of the stack tests to the Executive Secretary within 60 days of completion of the testing. Results shall clearly identify test results as compared to permit limits and indicate compliance status. Reports shall include any test data and calculations used to evaluate or revise the indicator range and excursion level.

II.B.4.b **Condition:**

Emissions of NO_x shall be no greater than 20.0 lb/hr. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.4.b.1 **Monitoring:**

Stack testing shall be performed as specified below:

(a) Frequency. Emissions shall be tested every three years. The source may also be tested at any time if directed by the Executive Secretary.

(b) Notification. At least 30 days before the test, the source shall notify the Executive Secretary of the date, time, and place of testing and provide a copy of the test protocol. The source shall attend a pretest conference if determined necessary by the Executive Secretary.

(c) Methods.
(1) Sample Location - the emission point shall conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health Administration (OSHA) approved access shall be provided to the test location.
(2) 40 CFR 60, Appendix A, Method 7, 7A, 7B, 7C, 7D, or 7E shall be used to determine

the pollutant emission rate.

(3) 40 CFR 60, Appendix A, Method 2 shall be used to determine the volumetric flow rate.

(d) Calculations. To determine mass emission rates (lb/hr, etc.) the pollutant concentration as determined by the appropriate methods above shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary to give the results in the specified units of the emission limitation.

(e) Production Rate During Testing. The production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three (3) years.

II.B.4.b.2 **Recordkeeping:**

Results of all stack testing shall be recorded and maintained in accordance with the associated test method and Provision S.1 in Section I of this permit.

II.B.4.b.3 **Reporting:**

In addition to the reporting requirements of Section I of this permit, the permittee shall submit the results of the stack tests to the Executive Secretary within 60 days of completion of the testing. Results shall clearly identify test results as compared to permit limits and indicate compliance status.

II.B.4.c **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.4.c.1 **Monitoring:**

A visual observation of each affected emission unit shall be performed once each month that the unit operates, by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. The individual is not required to be a certified visible emissions observer (VEO). If any visible emissions are observed, an opacity determination of that emission unit shall be performed by a certified VEO in accordance with 40 CFR 60, Appendix A, Method 9 within 24 hours of the initial observation.

II.B.4.c.2 **Recordkeeping:**

Results from opacity observations and all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded and maintained in accordance with Provision I.S.1 of this permit.

II.B.4.c.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.4.d **Condition:**

The temperature in the baghouse shall be no less than 225 degrees F. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.4.d.1 **Monitoring:**

The temperature shall be monitored at all times. The monitoring equipment shall be located such that an inspector can at any time safely read the output. The reading shall be accurate to within + or - 5 degrees F. All instances when the temperature in the baghouse drops below 225 degrees F shall be recorded.

II.B.4.d.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.4.d.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.4.e **Condition:**

Differential pressure across the fabric filter of the baghouse shall be maintained between 3 inches and 6 inches water column. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.4.e.1 **Monitoring:**

Baghouse pressure drop shall be monitored weekly with a manometer or magnahelic pressure gauge when the baghouse is operating. If the pressure differential is outside the range, then the cause shall be investigated and corrective measures taken within two hours of discovering the exceedance, to restore the pressure differential to within the range. If the pressure drop is not returned to the range within two hours a deviation has occurred. The pressure gage shall be located such that an inspector /operator can safely read the indicator at any time. The reading shall be accurate to within plus or minus 1.0 inches of water. The instrument shall be calibrated against a primary standard annually.

II.B.4.e.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.4.e.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.5 **Conditions on Pt-57: Dust tank & Baghouse**

II.B.5.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.5.a.1 **Monitoring:**

A visual observation of each affected emission unit shall be performed once each month that the unit operates, by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. The individual is not required to be a certified visible emissions observer (VEO). If any visible emissions are observed, an opacity determination of that emission unit shall be

performed by a certified VEO in accordance with 40 CFR 60, Appendix A, Method 9 within 24 hours of the initial observation.

II.B.5.a.2 **Recordkeeping:**

Results from opacity observations and all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded and maintained in accordance with Provision I.S.1 of this permit.

II.B.5.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.5.b **Condition:**

Differential pressure across the fabric filter of the baghouse shall be maintained between 3 inches and 6 inches water column. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.5.b.1 **Monitoring:**

Baghouse pressure drop shall be monitored weekly with a manometer or magnahelic pressure gauge when the baghouse is operating. If the pressure differential is outside the range, then the cause shall be investigated and corrective measures taken within two hours of discovering the exceedance, to restore the pressure differential to within the range. If the pressure drop is not returned to the range within two hours a deviation has occurred. The pressure gage shall be located such that an inspector /operator can safely read the indicator at any time. The reading shall be accurate to within plus or minus 1.0 inches of water. The instrument shall be calibrated against a primary standard annually.

II.B.5.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.5.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.6 **Conditions on 8: Coalmill & Baghouse**

II.B.6.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.6.a.1 **Monitoring:**

A visual observation of each affected emission unit shall be performed once each month that the unit operates, by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. The individual is not required to be a certified visible emissions observer (VEO). If any visible emissions are observed, an opacity determination of that emission unit shall be performed by a certified VEO in accordance with 40 CFR 60, Appendix A, Method 9 within 24 hours of the initial observation.

II.B.6.a.2 **Recordkeeping:**

Results from opacity observations and all data required by 40 CFR 60, Appendix A, Method 9 shall be recorded and maintained in accordance with Provision I.S.1 of this permit.

II.B.6.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.6.b **Condition:**

Differential pressure across the fabric filter of the baghouse shall be maintained between 3 inches and 6 inches water column. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.6.b.1 **Monitoring:**

Baghouse pressure drop shall be monitored weekly with a manometer or magnahelic pressure gauge when the baghouse is operating. If the pressure differential is outside the range, then the cause shall be investigated and corrective measures taken within two hours of discovering the exceedance, to restore the pressure differential to within the range. If the pressure drop is not returned to the range within two hours a deviation has occurred. The pressure gage shall be located such that an inspector /operator can safely read the indicator at any time. The reading shall be accurate to within plus or minus 1.0 inches of water. The instrument shall be calibrated against a primary standard annually.

II.B.6.b.2 **Recordkeeping:**

Results of monitoring shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.6.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.7 **Conditions on 10: Crushers**

II.B.7.a **Condition:**

Visible emissions shall be no greater than 15 percent opacity. [Authority granted under R307- 401-8(1)(a) [BACT]; condition originated in DAQE-AN0676015-03]

II.B.7.a.1 **Monitoring:**

A visual opacity survey of each affected emission unit shall be performed on a monthly basis by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. If visible emissions other than condensed water vapor are observed from an emission unit, an opacity determination of that emission unit shall be performed by a certified observer within 24 hours of the initial survey. The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9 for point sources, and in accordance 58 FR 61640 Method 203A for fugitive sources.

II.B.7.a.2 **Recordkeeping:**

The permittee shall record the date of each visual survey. The permittee shall also keep a log of the following information for each observed visual emission: date and time visual emissions observed, emission point location and description, time and date of opacity determination, and percent opacity. The records required by this provision and all data required by 40 CFR 60, Appendix A, Method 9 or by 58 FR 61640 Method 203A shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.7.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.7.b **Condition:**

Permittee shall operate water sprays or dust suppression sprays as appropriate to control fugitive emissions. The sprays shall operate whenever dry conditions warrant or as determined necessary by the Executive Secretary. Sprays shall not be required during periods of freezing temperatures. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.7.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.7.b.2 **Recordkeeping:**

Records of treatments shall be kept for all periods including the following items: date, number of treatments made, dilution rate, and quantity, and the time of day treatments were made. In addition, records of days of freezing temperature shall be kept.

II.B.7.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.8 **Conditions on 11: Screens**

II.B.8.a **Condition:**

Permittee shall operate water sprays or dust suppression sprays as appropriate to control fugitive emissions. The sprays shall operate whenever dry conditions warrant or as determined necessary by the Executive Secretary. Sprays shall not be required during periods of freezing temperatures. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.8.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.8.a.2 **Recordkeeping:**

Records of treatments shall be kept for all periods including the following items: date, number of treatments made, dilution rate, and quantity, and the time of day treatments were made. In addition, records of days of freezing temperature shall be kept.

II.B.8.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.8.b **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.8.b.1 **Monitoring:**

A visual opacity survey of each affected emission unit shall be performed on a monthly basis by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. If visible emissions other than condensed water vapor are observed from an emission unit, an opacity determination of that emission unit shall be performed by a certified observer within 24 hours of the initial survey. The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9 for point sources, and in accordance 58 FR 61640 Method 203A for fugitive sources.

II.B.8.b.2 **Recordkeeping:**

The permittee shall record the date of each visual survey. The permittee shall also keep a log of the following information for each observed visual emission: date and time visual emissions observed, emission point location and description, time and date of opacity determination, and percent opacity. The records required by this provision and all data required by 40 CFR 60, Appendix A, Method 9 or by 58 FR 61640 Method 203A shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.8.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.9 **Conditions on 12: Conveyor Drop Points**

II.B.9.a **Condition:**

Visible emissions shall be no greater than 20 percent opacity. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.9.a.1 **Monitoring:**

A visual opacity survey of each affected emission unit shall be performed on a monthly basis by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. If visible emissions other than condensed water vapor are observed from an emission unit, an opacity determination of that emission unit shall be performed by a certified observer within 24 hours of the initial survey. The opacity determination shall be performed in accordance with 40

CFR 60, Appendix A, Method 9 for point sources, and in accordance 58 FR 61640 Method 203A for fugitive sources.

II.B.9.a.2 **Recordkeeping:**

The permittee shall record the date of each visual survey. The permittee shall also keep a log of the following information for each observed visual emission: date and time visual emissions observed, emission point location and description, time and date of opacity determination, and percent opacity. The records required by this provision and all data required by 40 CFR 60, Appendix A, Method 9 or by 58 FR 61640 Method 203A shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.9.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.10 **Conditions on 13: Conveyor Transfer Points**

II.B.10.a **Condition:**

Visible emissions shall be no greater than 10 percent opacity. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.10.a.1 **Monitoring:**

A visual opacity survey of each affected emission unit shall be performed on a monthly basis by an individual trained on the observation procedures of 40 CFR 60, Appendix A, Method 9. If visible emissions other than condensed water vapor are observed from an emission unit, an opacity determination of that emission unit shall be performed by a certified observer within 24 hours of the initial survey. The opacity determination shall be performed in accordance with 40 CFR 60, Appendix A, Method 9 for point sources, and in accordance 58 FR 61640 Method 203A for fugitive sources.

II.B.10.a.2 **Recordkeeping:**

The permittee shall record the date of each visual survey. The permittee shall also keep a log of the following information for each observed visual emission: date and time visual emissions observed, emission point location and description, time and date of opacity determination, and percent opacity. The records required by this provision and all data required by 40 CFR 60, Appendix A, Method 9 or by 58 FR 61640 Method 203A shall be maintained in accordance with Provision I.S.1 of this permit.

II.B.10.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.10.b **Condition:**

Permittee shall operate water sprays or dust suppression sprays as appropriate to control fugitive emissions. The sprays shall operate whenever dry conditions warrant or as determined necessary by the Executive Secretary. Sprays shall not be required during periods of freezing temperatures. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.10.b.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.10.b.2 **Recordkeeping:**

Records of treatments shall be kept for all periods including the following items: date, number of treatments made, dilution rate, and quantity, and the time of day treatments were made. In addition, records of days of freezing temperature shall be kept.

II.B.10.b.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.11 **Conditions on 15: Mobile Equipment Operational Areas**

II.B.11.a **Condition:**

All haul roads or other paved or unpaved operational areas that are used by mobile equipment shall be water sprayed and/or chemically treated to control fugitive dust. Treatment shall be of sufficient frequency and quantity to minimize fugitive dust as necessary to meet opacity limitations. All disturbed surfaces or stripped areas shall be controlled by watering or other means until the areas develop surfaces that are not susceptible to wind erosion or are reclaimed. The opacity shall not exceed 20 percent for all areas. The permittee is not required to apply water to surfaces during freezing conditions. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.11.a.1 **Monitoring:**

In lieu of opacity monitoring, daily hours of operation of the water truck(s), and the days when chemical dust suppressants were applied to the areas shall be monitored. These records shall include the volume of water applied and location of applications, or the type of chemical dust suppressant applied and location of applications. The methods used to control disturbed or stripped areas shall be recorded as they occur, and include dates and times, the types of control used, volume, and locations.

II.B.11.a.2 **Recordkeeping:**

Records of treatments shall be kept for all periods including the following items: date, number of treatments made, dilution rate, and quantity, and the time of day treatments were made. In addition, records of days of freezing temperature and rainfall amounts, if any, shall be kept.

II.B.11.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.B.12 **Conditions on 16: Storage piles**

II.B.12.a **Condition:**

Permittee shall operate water sprays or dust suppression sprays as appropriate to control fugitive emissions. The sprays shall operate whenever dry conditions warrant or as determined necessary by the

Executive Secretary. Sprays shall not be required during periods of freezing temperatures. [Origin: DAQE-AN0676015-03] Authority: R307-401-8(1)(a) [BACT]

II.B.12.a.1 **Monitoring:**

Records required for this permit condition will serve as monitoring.

II.B.12.a.2 **Recordkeeping:**

Records of treatments shall be kept for all periods including the following items: date, number of treatments made, dilution rate, and quantity, and the time of day treatments were made. In addition, records of days of freezing temperature shall be kept.

II.B.12.a.3 **Reporting:**

There are no reporting requirements for this provision except those specified in Section I of this permit.

II.C **Emissions Trading**
(R307-415-6a(10))

Not applicable to this source.

II.D **Alternative Operating Scenarios**.
(R307-415-6a(9))

Not applicable to this source.

SECTION III: PERMIT SHIELD

The following requirements have been determined to be not applicable to this source in accordance with Provision I.M, Permit Shield:

III.A. 40 CFR 60 Subpart Y (Standards of Performance for Coal Preparation Plants)

This regulation is not applicable to the Permitted Source for the following reason(s): Utelite Corporation does not process more than 200 tons of coal per day [Last updated March 13, 2008]

SECTION IV: ACID RAIN PROVISIONS

IV.A **This source is not subject to Title IV. This section is not applicable.**

REVIEWER COMMENTS

This operating permit incorporates all applicable requirements contained in the following documents:

Incorporates	DAQE-AN0676015-03 dated October 10, 2003

1. Comment on an item originating in this permit regarding Permitted Source
   5-year stack testing requirements: A 5-year schedule for particulate emissions stack testing of the kilns/baghouses is appropriate for Utelite Corporation. Utelite is not a major source of particulate matter. They have a compliance record that shows continuous compliance with their PM emissions. There is also a visible emissions requirement on the baghouses that is used as an indicator of PM emissions. [7/09/2002] [Last updated March 13, 2008]

2. Comment on an item originating in 40 CFR 60 Subpart OOO regarding Permitted Source
   Applicability of Subpart OOO: Subpart OOO applies to the finish screen and the PEP screen. All other crushers and screens were installed prior to Aug. 31, 1983, and there have been no reconstructions or modifications. The approval order requires a 10% opacity on all screens at the facility. [7/09/2002] [Last updated March 13, 2008]

3. Comment on an item originating in 40 CFR 60 Subpart UUU regarding Permitted Source
   Applicability of Subpart UUU: Utelite's Kilns 1 and 3 are not subject to Subpart UUU because they were installed prior to the applicability date and have not been reconstructed or modified. Kiln #4 is subject to 40 CFR Subpart UUU because the kiln was installed after April 23, 1986. [3/13/2002] [Last updated March 13, 2008]

4. Comment on an item originating in 40 CFR 60 Subpart Y regarding Permitted Source
   Applicability of Subpart Y: Subpart Y applies to coal preparation plants that process more than 200 tons per day. By design, Utelite can only process a maximum of 72 tons of coal a day. Subpart Y does not apply to Utelite. [4/18/2002] [Last updated March 13, 2008]

5. Comment on an item originating in this permit regarding Permitted Source
   Changes to renewal permit: CAM applies to three units, Pt-38: #1 Kiln & Baghouse, Pt-52: #3 Kiln & Baghouse, and Pt-45: #4 Kiln & Baghouse. CAM is included in the renewal permit in Conditions II.B.2.a, II.B.3.a, and II.B.4.a. Condition II.B.1.e has been modified to more closely reflect the approval order language. Typographical errors have been corrected. [Last updated March 13, 2008]

6. Comment on an item originating in DAQE-AN0676015-03 regarding 10: Crushers
   AO condition 19.E: The Stamler (feeder breaker) is listed together with the crusher units. Condition 19.E. is incorporated with the water spray/dust suppression requirements of the crusher units. [7/01/2004] [Last updated March 13, 2008]

7. Comment on an item originating in DAQE-AN0676015-03 regarding Pt-38: #1 Kiln & Baghouse
   AO Conditions 10 & 12: Installation of the #1 Kiln baghouse occurred March 25, 2004. Initial testing was performed April 27, 2004. Therefore, AO Condition 10 and the initial testing requirement in AO Condition 12 were not included in the Title V permit. [7/14/2004] [Last updated March 13, 2008]

8. Comment on an item originating in 40 CFR 60 Subpart UUU regarding Pt-45: #4 Kiln & Baghouse Opacity Monitoring requirements of UUU: A search of the ADI on Subpart UUU revealed a previous determination by EPA (Control # 0000056) that Utelite's Kiln #4 would be exempt from opacity monitoring because their particulate emissions are less than 11 tons per year. (February 4, 2008 stack test results show PM_{10} emissions of 0.0065 gr/dscf and 0.81 lb/hr.)

   Although exempt from Subpart UUU opacity monitoring, Approval Order DAQE-AN0676015-03 Condition #13.B places a 10% opacity limit with monitoring requirements on all baghouses source-wide. Therefore, the opacity limit and monitoring originating in AO Condition #13.B has been included in the Title V permit as Condition II.B.4.c. [Last updated March 13, 2008]